

2614

UNITED STATES PATENT AND TRADEMARK OFFICE

In the Application of

Laux et al.

Serial No.: 10/581,813

Filed: June 2, 2006

For: ANTISENSE COMPOUNDS  
TARGETED TO CONNEXINS  
AND METHODS OF USE  
THEREOF

Group Art Unit: 2614

Examiner: NOT YET ASSIGNED

Customer No.: 53897

INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment  
Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

This Information Disclosure Statement is being filed prior to the first Office Action on the merits of the above-captioned application, thus, it is believed that no fee is due in connection with this submission. However, if it is determined that a fee is due, the Commissioner is hereby authorized to charge the requisite fee, or any fees that may be due in connection with this and the attached papers, or with this application during its entire pendency, or to credit any overpayment, to Deposit Account No. 04-1679.

CERTIFICATE OF MAILING

I hereby certify that this paper (along with anything referred to as being attached or enclosed) is being deposited with the United States Postal Service on the date shown below with sufficient postage as First Class Mail in an envelope addressed to Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

November 7, 2006  
Date of Deposit

Julie Freiburger

In accordance with 37 C.F.R. §§1.97-1.98, this Information Disclosure Statement, including Form PTO/SB/08 (3 pages), and hardcopies of 4 of the cited documents (Citations AP, AQ, AR and AS), are provided herewith. Some of the documents listed herein were cited in search reports issued in connection with counterpart foreign applications, hardcopies of these search reports are included herewith for the Examiner's convenience. In addition, hardcopies of some the documents listed on the Forms PTO-SB/08 were previously submitted in Information Disclosure Statements in connection with the parent application USSN 09/890,363 (now issued as U.S. Patent No. 7098190) and therefore, in accordance with 37 C.F.R. § 1.98(d), hardcopies of these documents need not be submitted and are not included herewith. The Examiner is requested to make these documents of record in the instant application.

Applicant would also like to cross-reference the following U.S. and International applications which are either co-owned or may have inventor in common with the above-captioned application.

<u>U.S. App. Serial. No.</u>	<u>Filing Date</u>	<u>Patent No.</u>
09/890,363	01/27/2000	U.S. 7,098,190
11/447,599	06/05/2006	
11/510,280	08/25/2006	
11/510,496	08/29/2006	
11/510,498	08/25/2006	
11/512,725	08/29/2006	
11/512,728	08/29/2006	
11/512,730	08/29/2006	
11/512,735	08/29/2006	
10/581,813	06/02/2006	
<u>International App. No.</u>	<u>Filing Date</u>	<u>Pub. No.</u>
PCT/GB00/00238	01/27/2000	WO2000044409
PCT/IB2004/004431	12/03/2004	WO2005053600
PCT/IB2006/001961	02/03/2006	

The items identified in this Information Disclosure Statement may or may not be "material" pursuant to 37 C.F.R. §1.56. The filing of this Information Disclosure Statement is not an admission by Applicants or Applicants' representatives that any of the documents, singly or in any combination, is effective as prior art against the subject application. Additionally, in accordance with 37 C.F.R. §1.97(h), the filing of this Information Disclosure Statement shall not

be construed to mean that a search has been made or that no other material information as defined in 37 C.F.R. §1.56(b) exists in addition to those submitted herewith.

Applicants respectfully request that the Examiner review the foregoing documents and information and that they be made of record in the file history of the subject application.

Respectfully submitted,

By:



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Substitute Form PTO/SB/08 (Modified)  <b>Information Disclosure Statement by Applicant</b> (Use several sheets if necessary)  (37 CFR §1.98(b))	U.S. Department of Commerce Patent and Trademark Office		Attorney's Docket No. <b>E3697-00044</b>	Application No. <b>10/581,813</b>
	Applicants <b>Becker et al.</b>			
	Filing Date <b>June 2, 2006</b>		Group Art Unit <b>2614</b>	

	AR	Willecke, K. et al., "Structural and Functional Diversity of Connexin Genes in the Mouse and Human Genome" Biological Chemistry, Vol. 383, No.5, May 2002, pages 725-737, XP008053223 ISSN: 1431-6730
	AS	Santoro, S. et al., "A General Purpose RNA-Cleaving DNA Enzyme" Proceedings of the National Academy of Sciences USA, Vol. 94, April 1997, pages 4262-4266, XP001009844 ISSN: 0027-8424

Foreign Patent Documents or Published Foreign Patent Applications								
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	AT	WO9619194	June 27, 1996	PCT				
	AU	WO9824797	June 11, 1998	PCT				

DM2/870040v1

Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Substitute Disclosure Form (PTO/SB/08)

Substitute Form PTO/SB/08 (Modified)  <b>Information Disclosure Statement</b> by Applicant (Use several sheets if necessary)  (37 CFR §1.98(b))	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. E3697-00044	Application No. 10/581,813
	Applicants Becker et al.		
	Filing Date June 2, 2006	Group Art Unit 2614	

**Other Documents (include Author, Title, Date, and Place of Publication)**

Examiner Initial	Desig. ID	Document
	AA	Agrawal, S., TIBTECH Vol. 14:376-387 October 1996
	AB	Branch, A., TIBS Vol. 23:45-50, February 1998
	AC	Jen et al., Stem Cells, Vol. 18:307-319, 2000
	AD	Qiu et al., Current Biology, Vol. 13:1697-1703, September 30, 2004
	AE	Hodgins, M., Journal of Investigative Dermatology, Vol. 122(5):ix-x, 2004
	AF	Ruch, R. et al., Molecular Carcinogenesis 14:269-274, 1995
	AG	Goliger, J. et al., Molecular Biology of the Cell 6:1491-1501, 1995
	AH	Moore et al., Am J. Physiology, vol. 265, No. 1, pp. C1371-C1388, 1994
	AI	European Patent Office, Search Report for Application No. 05016736.0, December 19, 2005
	AJ	Grazul-Bilska et al., Abstract, Biology Reproduction, Vol. 58, No. 1, p.78, 1998
	AK	Davis et al., "Modulation of Connexin43 Expression: Effects on Cellular Coupling", Journal of Cardiovascular Electrophysiology, 1995
	AL	Rozenthal et al., "Stable Transfection with Connexin43 Inhibits Neuronal Differentiation of PC12 Cells", October 25, 1997, U.S.
	AM	Becker et al., "Connexin Alpha1 and Cell Proliferation in the Developing Chick Retina" Experimental Neurology, Vol. 156, No. 2, April 1999, pages 326-332, XP002347187 ISSN: 0014- 4886
	AN	Green et al., "Spatiotemporal Depletion of Connexins Using Antisense Oligonucleotides." Methods in Molecular Biology (Clifton, N.J.) 2001, Vol.154, 2001, pages 175-185, XP008053224 ISSN: 1064-3745
	AO	Franteseva, M. et al., "Ischemia-Induced Brain Damage Depends on Specific Gap-Junctional Coupling" Journal of Cerebral Blood Flow and Metabolism, Vol. 22, No. 4, April 2002, pages 453-462, XP008053227 ISSN: 0271-678X
	AP	Ratkay-Traub et al., "Regeneration of Rabbit Cornea Following Excimer Laser Photorefractive Keratectomy: A Study on Gap Junctions, Epithelial Junctions and Epidermal Growth Factor Receptor Expression in Correlation with Cell Proliferation", Experimental Eye Research, Vol. 73, No. 3, September 2001, pages 291-302, XP002347188 ISSN: 0014-4835
	AQ	Baldwin, H. et al., "Growth Factors in Corneal Wound Healing Following Refractive Surgery: A Review" Acta Ophthalmologica Scandinavica, Vol. 80, No. 3, June 2002, pages 238-247, XP002347189 ISSN:1395-3907

Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	